

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1. (Cancelled).

2. (Previously Presented) The magnetic circuit as claimed in claim 8, wherein the peripheral radial projection of the magnet with respect to the core is at the most equal to three times the thickness of said magnet.

3. (Previously Presented) The magnetic circuit as claimed in claim 2, wherein the peripheral radial projection of the magnet with respect to the core is about the thickness of said magnet.

4. (Previously Presented) The magnetic circuit as claimed in claim 8, wherein:

said core comprises, in contact with said magnet, a disk-shaped projecting heel, the diameter of which is greater than that of the rest of said core, but smaller than that of said magnet; and

the clearance height for the coil is limited, on the side facing said magnet, by said projecting heel.

5. (Previously Presented) The magnetic circuit as claimed in claim 8, wherein an axial passage passes through the flat bottom of said yoke, said magnet and said core.

6. (Cancelled).

7. (Previously Presented) An electrodynamic loudspeaker, which comprises a magnetic circuit as specified in claim 8.

8. (Currently Amended) A magnetic circuit for an electrodynamic loudspeaker with a moving coil, said magnetic circuit having a shape which is axisymmetric symmetric in rotation about an axis of symmetry and comprising:

a dish-shaped yoke with a side wall and a flat bottom, said yoke having an edge, away from said bottom, provided with a peripheral annular rim projecting toward said axis with respect to said side wall and defining a circular opening which is recessed with respect to said side wall;

a disk-shaped magnet, placed inside said yoke and disposed on said flat bottom thereof; and

a cylindrical core, placed inside said yoke and disposed on said magnet, a part of said core away from said magnet being opposite said circular opening of the yoke and defining, with the latter, an annular gap, in which said moving coil is placed coaxially with the axis of said magnetic circuit thereby being able to move parallel to and coaxially with said axis of said magnetic circuit, the clearance height available for the coil inside said yoke being greater than the maximum distance that said coil can travel, inside said yoke, toward the bottom thereof, wherein:

said disk-shaped magnet comprises a sintered neodymium-iron-boron ternary alloy;

the diameter of said magnet is greater than that of said core, such that said magnet has a peripheral projection, which is annular and radial and of constant magnitude all around said axis of symmetry, with respect to said core; and

the clearance height for the coil is limited, on the side facing said magnet, by said peripheral projection, such that said clearance height for the coil is determined solely by said core.